

Name _____

Date _____

Period 1

notes.

Relations and Functions.

$$1) \{ \overset{x}{\underline{2}}, \overset{y}{\underline{3}} \}, \overset{x}{\underline{4}}, \overset{y}{\underline{6}} \}, \overset{x}{\underline{1}}, \overset{y}{\underline{5}} \}, \overset{x}{\underline{2}}, \overset{y}{\underline{5}} \}, \overset{x}{\underline{0}}, \overset{y}{\underline{5}} \} \}$$

$X = \text{Domain} \{ 0, 1, 2, 4 \}$ Not a function

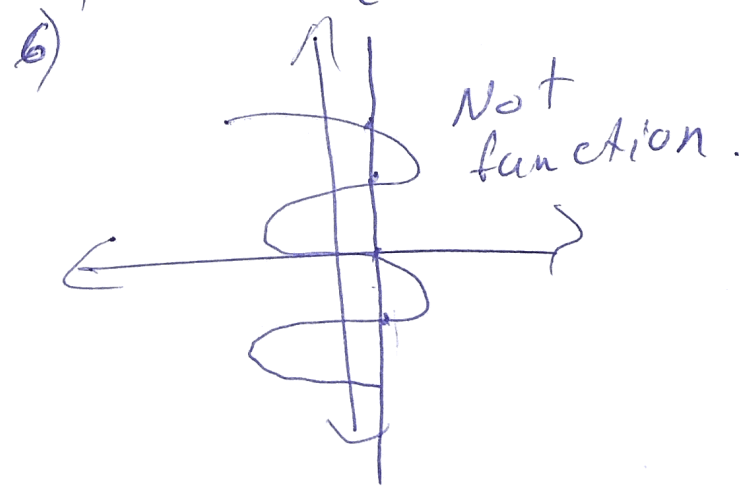
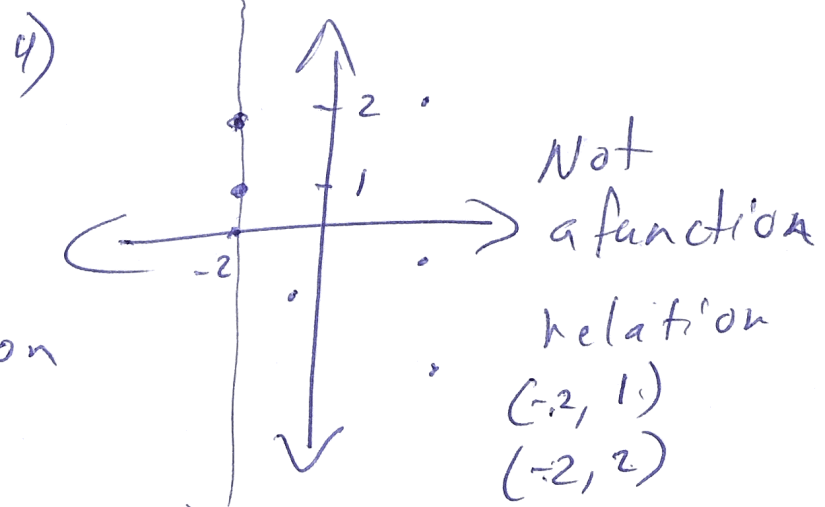
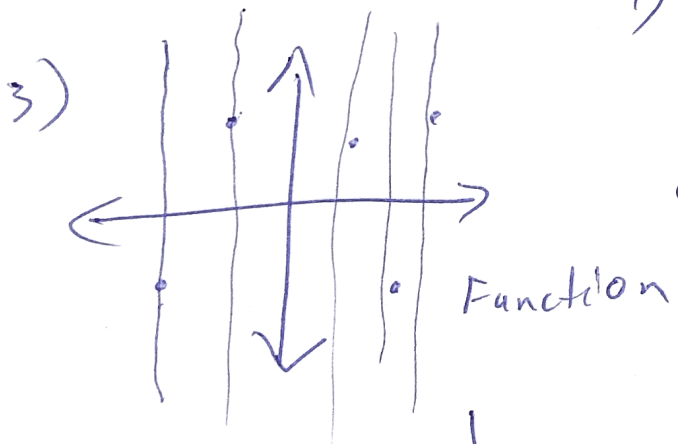
$Y = \text{Range} \{ 3, 5, 6 \}$

$$2) \{ \underline{3}, \underline{4} \}, \underline{5}, \underline{4} \}, \underline{7}, \underline{4} \}, \underline{8}, \underline{4} \}, \underline{10}, \underline{4} \} \}$$

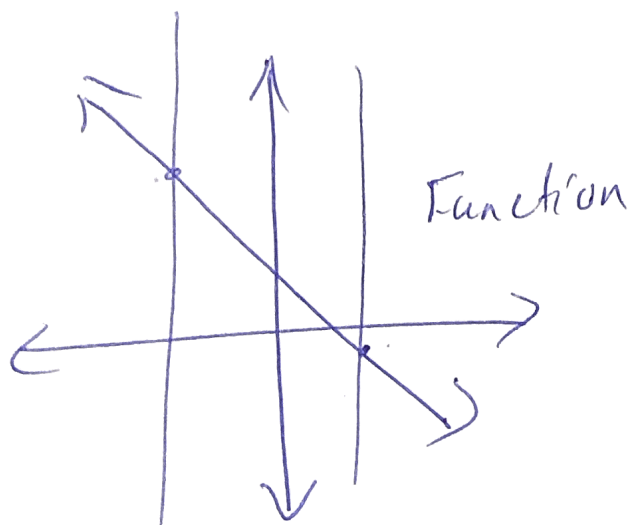
Function

Domain: $\{ 3, 5, 7, 8, 10 \}$

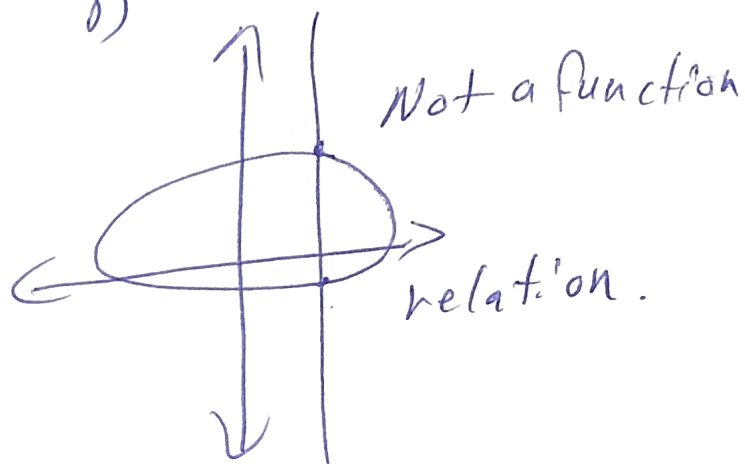
Range: $\{ 4 \}$



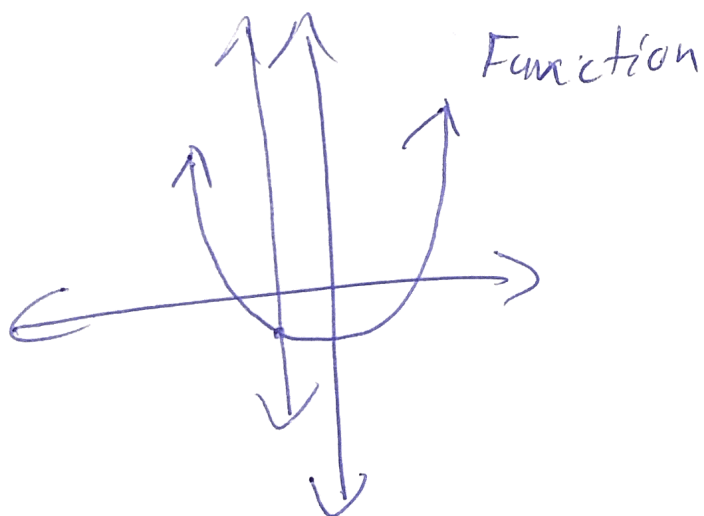
7)



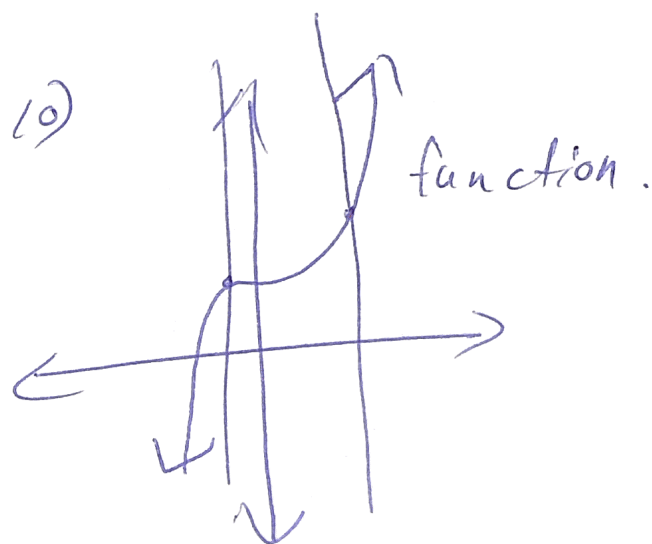
8)



9)



10)



$$11) \{ (3, 6), (5, 7), (7, 7), (8, 9) \}$$

$$\text{Domain } \{ 3, 5, 7, 8 \} \quad \text{Function}$$

$$\text{Range } \{ 6, 7, 9 \}$$

$$12) \{ (0, 0.4), (1, 0.8), (2, 1.2), (3, 1.6) \}$$

$$\text{Domain } \{ 0, 1, 2, 3 \}$$

Function

$$\text{Range } \{ 0.4, 0.8, 1.2, 1.6 \}$$

$$13) \{(5, -4), (3, -5), (4, -3), (6, 4)\}$$

Function

$$\text{Domain } \{3, 4, 5, 6\}$$

$$\text{Range } \{-5, -4, -3, 4\}$$

$$14) \{(-4, 3), (-3, -1), (2, -3), (-1, 2), (-4, 5)\}$$

$$\text{Domain } \{-4, -3, -1, 2\} \quad \text{Not function.}$$

$$\text{Range } \{-3, -1, 2, 3, 5\} \quad \text{Relation.}$$

$$15) \{(5, -4), (3, -5), (4, -3), (6, 4), (3, -5)\}$$

$$\text{Domain } \{3, 4, 5, 6\}$$

$$\text{Range } \{-5, -4, -3, 4\}$$